WHAT IS CLAIMED IS:

SUB A17 1. A database system comprising:

a master database to be updated;

a replica for storing a duplicate of said master database;

5 a preferential order information memory unit for holding

preferential order that reflects update data of said master

database on said replica for data type;

an allocation unit for reading said update data and

selectively extracting said update data according to said

10 preferential order; and

a management unit for updating said replica with said

extracted update data.

2. A database system comprising:

a master database to be updated;

15 a replica for storing a duplicate of said master database;

a preferential order acquiring unit for receiving

preferential order to be applied when update data of said master

database is reflected on said replica and for acquiring said

preferential order;

20 an allocation unit for reading said update data and

selectively extracting said update data according to said

preferential order; and

a management unit for updating said replica with said

extracted update data.

25 3. A database system comprising:

a master database to be updated;

a replica for storing the duplicate of said master database;

a history acquiring unit for recording use history of said

5   replica; and

an updating unit for receiving update data of said master database and updating said replica with preference on a specified data type corresponding to said use history.

4. A database system comprising:

10   a master database to be updated;

a replica for storing a duplicate of said master database;

a first control unit , provided in said master database side, for selectively extracting update data according to stored

15   preferential order of data types to be updated and for transferring it to a communication means; and

a second control unit, provided in said replica side, for receiving said update data transferred from said communication means, for selectively extracting said update data according

20   to stored preferential order of the further subdivided data type to be updated, and for updating said replica based on said extracted update data.

5. A database system comprising:

a master database to be updated;

25   a replica for storing a duplicate of said master database;

a first control unit, provided in said master database, for transferring update data to a communication means ; and a second control unit, provided in said replica side, for receiving said update data transferred from said communication

5 means, for selectively extracting said update data according to stored preferential order of data types to be updated, and for updating said replica based on said extracted update data.

6. A database system comprising:

a master database to be updated;

10 a plurality of replicas for storing a duplicate of said master database;

a first control unit, provided in said master database side, for selectively transferring update data ; and

a second control unit, provided in each of said replica

15 side, for receiving said update data transferred, for selectively extracting said update data according to stored preferential order of data types to be updated, and for updating said replica based on said extracted update data.

7. A database system comprising:

20 a master database for storing a plurality of types of data;

a master database management unit for updating said master database in order of occurrence of an update request according to said data update request to said master database;

an update log file for storing update log of said master

25 database in the order of updating of said master database;

an update log reading unit for reading out said update

log from said log file;

a data allocation unit for extracting update data in order

according to preferential order determined to the plurality of

5   data types of data from update data in said update log read by

means of said update log reading unit;

a replica for storing the duplicate of data stored in said

master database; and

a replica database management unit for writing said update

10   data extracted by means of said data allocation unit in said

replica in said order of extraction.

8. A method for forming a replica of a database in a system

having a master database to be updated and a replica thereof,

the method comprising steps of:

15   holding preferential order of data types that are to

be applied when update data of said master database is reflected

on said replica;

reading said update data;

extracting said update data selectively according to

20   said preferential order; and

updating said replica with said extracted update data.

9. A method for forming a replica of a database in a system

having a master database to be updated and a replica thereof,

the method comprising steps of:

25   extracting update data selectively according to stored

preferential order of data type to be updated on said master database side;

transferring said extracted update data to a communication means;

receiving said update data transferred from the communication means on said replica side;

extracting said update data selectively according to stored preferential order of further subdivided data types to be updated; and

updating said replica thereby.

10. A method for forming a replica of a database in a system having a master database to be updated and a replica thereof, the method comprising steps of:

storing data type of update data of said master database that is to be reflected preferentially on said replica;

reading said update data;

extracting said update data corresponding to said data type selectively; and

updating said replica with said extracted update data.

11. A computer-readable recording medium having a recorded program for forming a replica of a master database to be updated, the program comprising steps of:

holding preferential order of data types that is to be applied when update data of said master database is reflected on said replica;

reading said update data;

extracting said update data selectively according to said preferential order; and

updating said replica with said extracted update data.